

**In the Claims**

Applicants have submitted a new complete claim set indicating marked-up claims with insertions and deletions indicated by underlining and strikeouts, respectively.

1. (Currently Amended) A protein microarray, comprising:  
a solid support;  
a linker molecule covalently attached to said solid support; and  
a protein or protein fragment having a terminus forming a covalent bond with said linker molecule.
2. (Original) The microarray of claim 1, wherein said terminus is a carboxy terminus.
3. (Original) The microarray of claim 1, wherein said solid support is glass.
4. (Currently Amended) The microarray of claim 1, wherein said linker molecule comprises a maleimide group.
5. (Currently Amended) The microarray of claim 1, wherein said linker molecule comprises a vinyl sulfone group.
6. (Currently Amended) The microarray of claim 1, wherein said linker molecule comprises a N-hydroxy succinimide group.
7. (Original) The microarray of claim 1, wherein said protein or protein fragment is an antibody or antibody fragment.
8. (Original) The microarray of claim 7, wherein said antibody or antibody fragment is a single chain antibody.

9. (Original) The microarray of claim 1, wherein said microarray has at least 1,000 spots per  $\text{cm}^2$ .
10. (Original) The microarray of claim 1, wherein said microarray has at least 2,000 spots per  $\text{cm}^2$ .
- 11-72. (Canceled)
73. (Previously presented) The microarray of claim 1, wherein said microarray has about 1,600 spots per  $\text{cm}^2$ .
74. (Previously presented) The microarray of claim 1, wherein said microarray has at least 1,600 spots per  $\text{cm}^2$ .